

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B23K26/10 B23K26/38 B23K26/42 B42D15/10 B26D7/18
B65H29/02 B23K26/08 B23Q11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B23K B42D B26D B65H B26F B23Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 11, 26 December 1995 (1995-12-26) & JP 7 214359 A (AMADA CO LTD), 15 August 1995 (1995-08-15)	1, 5, 6, 8, 11
Y	abstract	7, 12-14
Y	WO 95/10420 A (LEONHARD KURZ GMBH & CO ; J. HERMANN ET AL) 20 April 1995 (1995-04-20) cited in the application the whole document	7, 14
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

25 June 2004

Date of mailing of the international search report

05/07/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 06, 30 June 1997 (1997-06-30) & JP 9 029476 A (DENSO CORP), 4 February 1997 (1997-02-04) abstract	12,13
X	EP 1 184 127 A (LANGE CARL INGOLF) 6 March 2002 (2002-03-06)	1,6
Y	paragraph '0017!; figure 1	4,8,12, 13
Y	US 5 348 285 A (P. HUESER) 20 September 1994 (1994-09-20) column 4, line 21 - column 5, line 3; figures 1,2	4,8,12, 13
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 10, 31 August 1998 (1998-08-31) & JP 10 113787 A (AMADA CO LTD), 6 May 1998 (1998-05-06)	1,5,6
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X	FR 2 586 959 A (J. DAVID) 13 March 1987 (1987-03-13) the whole document	1,5,6
Y	EP 0 927 597 A (RAINER SRL) 7 July 1999 (1999-07-07) paragraphs '0009! - '0012!, '0016!; figures	1,5,6,8, 11-13
Y	PATENT ABSTRACTS OF JAPAN vol. 0121, no. 05 (M-681), 6 April 1988 (1988-04-06) & JP 62 234688 A (YAMAZAKI MAZAK CORP), 14 October 1987 (1987-10-14) abstract	1,5,6, 11-13
Y	DE 41 31 617 A (MEINEN TOMAS) 30 April 1992 (1992-04-30) the whole document	12,13

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